10.1-inch DSI LCD Display
Product Manual

Please read this manual carefully to ensure safe operation of this product.

Contents

1. Summary 3

1.1 . Feature Description 3

1.2 . Product and accessory images 4

2. parameter 5

2.1 . LCD screen specifications 5

2.2 . Dimensional parameters 5

2.3 . IC and interface parameters 5

2.4 . Other parameters 6

3. Dimensional drawing 7

3.1 . Dimensional drawing 7

4. Interfaces and switches 8

5. Connection and Use 9

5.1 . linkage Raspberry 10

5.2 . Use on a Raspberry Pi 13

1. Overview

1.1. Feature Description

- ✧ 10.1-inch DSI touchscreen with capacitive 5-point touch control
- ✧ IPS display panel with a hardware resolution of 1024×600
- ✧ Full-lamination process for clearer image quality
- ✧ Tempered glass touch cover with hardness up to 6H
- ✧ LCD driven via DSI interface, refresh rate up to 60Hz
- ✧ Software-controlled backlight brightness supported
- ✧ Metal back shell design with pure passive heat dissipation

1.2. Product images and accessories



1× Flex Cable (6cm – for Raspberry Pi 4B)



1× Flex Cable (10cm – for Raspberry Pi 4B)



1× Flex Cable (20cm – for Raspberry Pi 4B)



1× Flex Cable (16cm – for Raspberry Pi 5)



Phillips Screwdriver



4× screws, anti-slip washers, 2× brackets, 1× 2-pin DuPont wire

2. Parameter

2.1. LCD Panel Parameters

Item	Parameter	Unit
Screen Size	10.1	inch
Screen Type	IPS	-
Resolution	1024*600	pixels
Active Display Area	222.72*125.28	mm
Viewing Angle	170	deg
Max Backlight Brightness	210	cd/m2
Backlight Type	LED	-
Operating Temperature	-20~60	℃
Storage Temperature	-30~70	℃

2.2. Dimensional Parameters

Item	Parameter	Unit
Module dimensions	236.00*145.57.00*14.90	mm

2.3. Interface Parameters

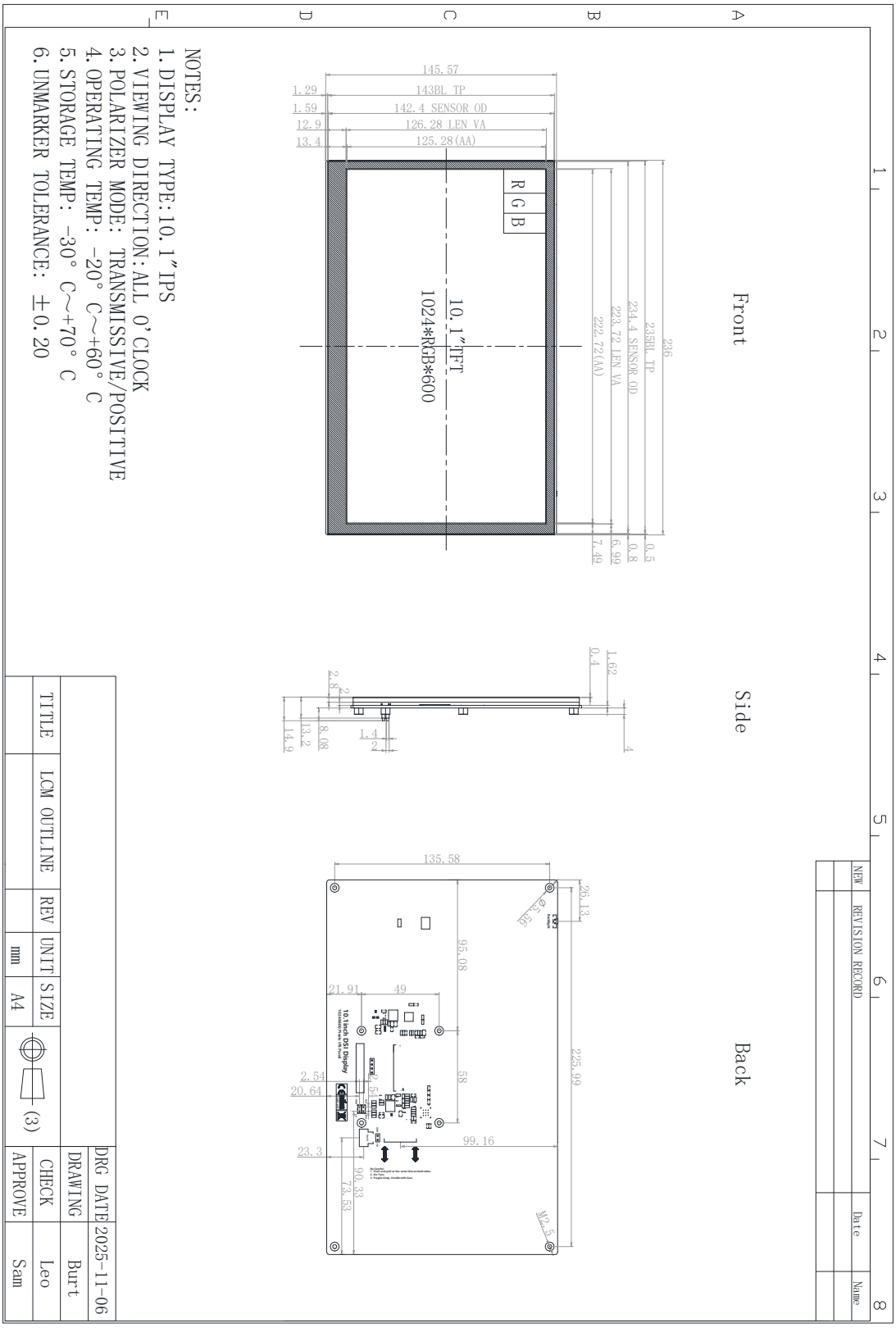
Item	Parameter	Unit
Video Input Interface	MIPI DSI	-
Backlight Power Interface	1.25 2P Cable	-

2.4. Other Parameters

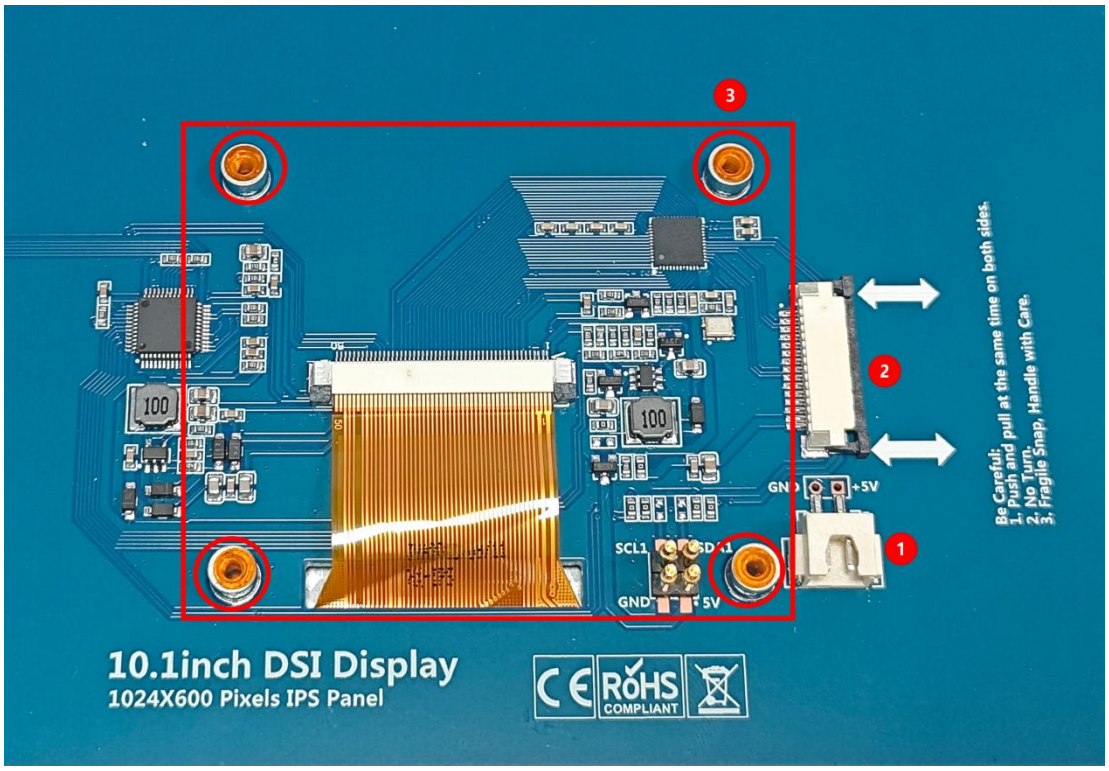
Item	Parameter	Unit
SKU	DSI1061	-
Supply Voltage	Backlight supply voltage: 5V Supply voltage for LCD and touch panel: 3.3V	V
Total Power (Max.)		W
Weight (including package)		g

3. Dimensional Drawing

3.1. Dimensional Drawing



4. Interface specification



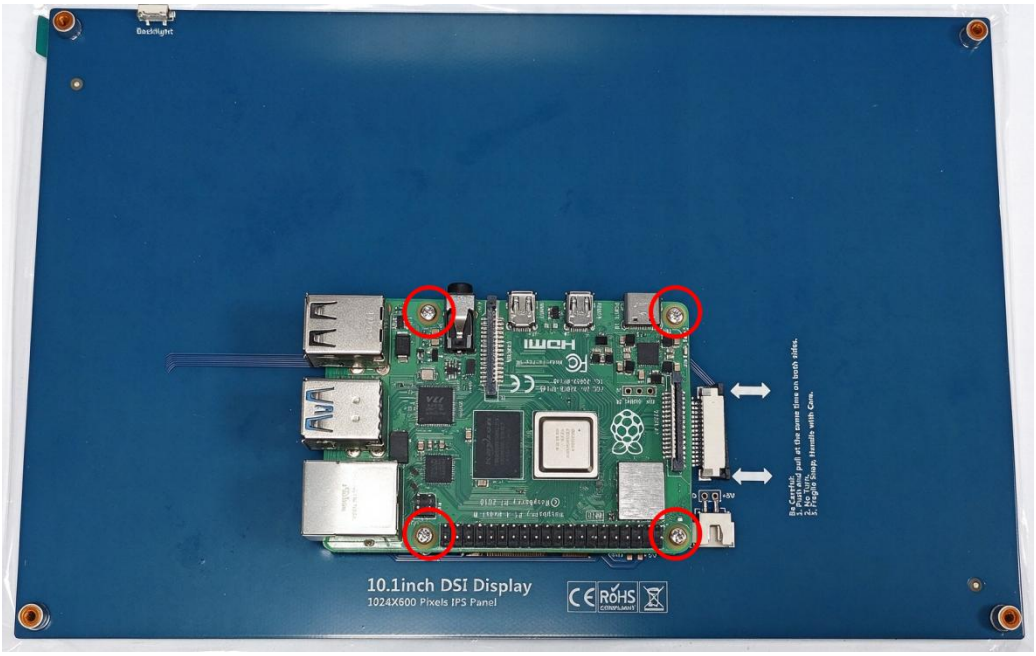
接口	Function Description
① POWER	Connect using a 2P 1.25 mm lead and a signal source device for backlight power supply.
② DSI MIPI	Used for high-definition video input, power supply for the LCD screen and touch screen, and I2C communication; it is connected to the main device via a flexible ribbon cable.
③ Copper Standoff	For repairing Raspberry Pi

5. Connection and Operation

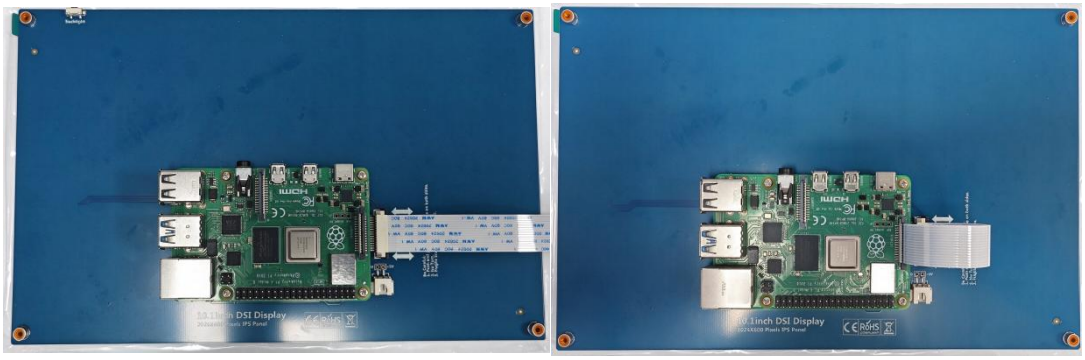
5.1. Connection to Raspberry Pi

Raspberry Pi 4B:

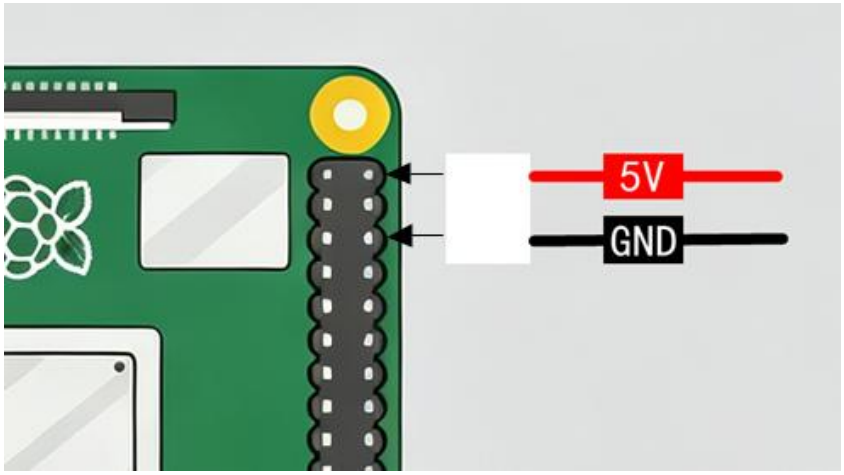
As shown in the figure, first place the Raspberry Pi, then tighten the screws, connect the adapter, the MIPI flex cable, and the power cable, and finally plug in the power cord to supply power to the Raspberry Pi.

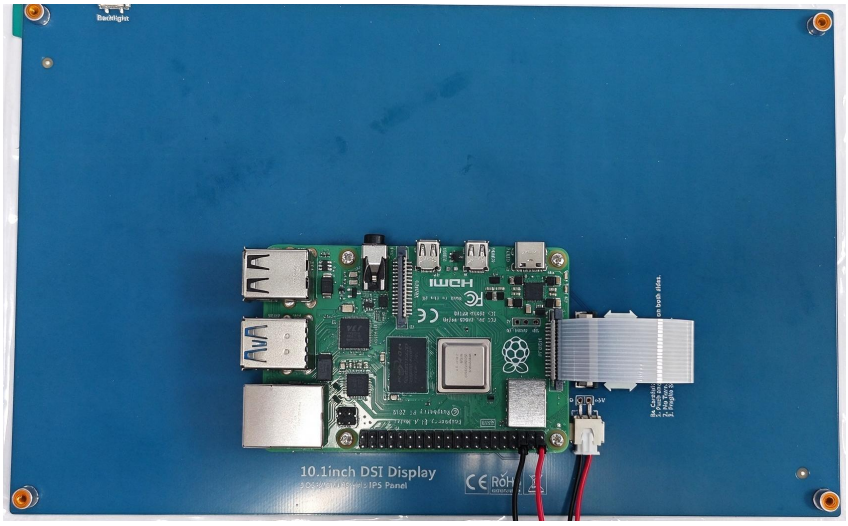


Secure with Screws

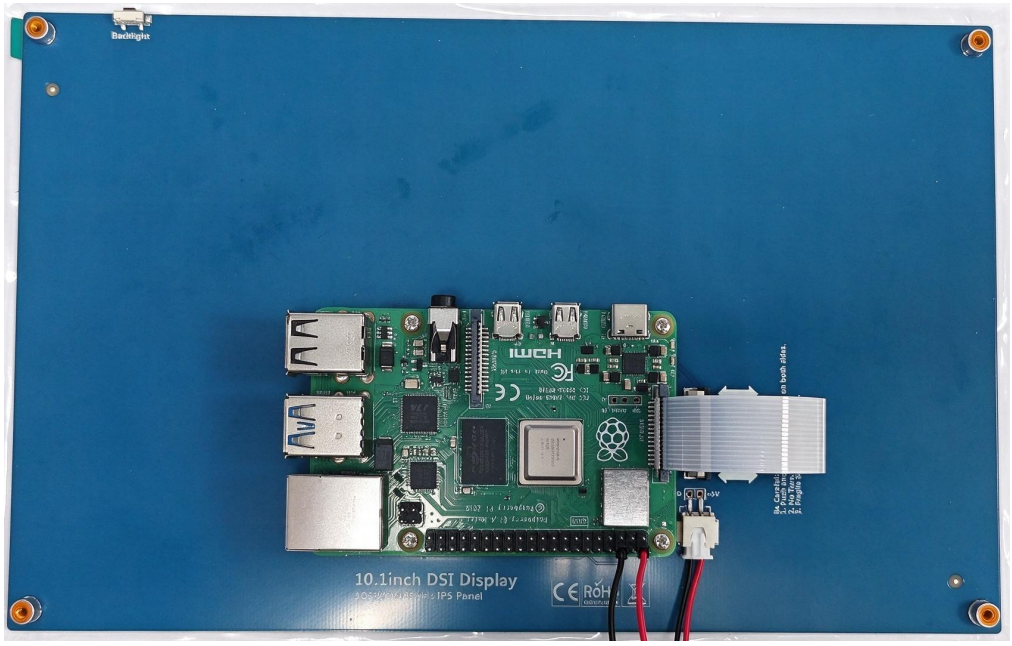


Connect MIPI Flex Cable





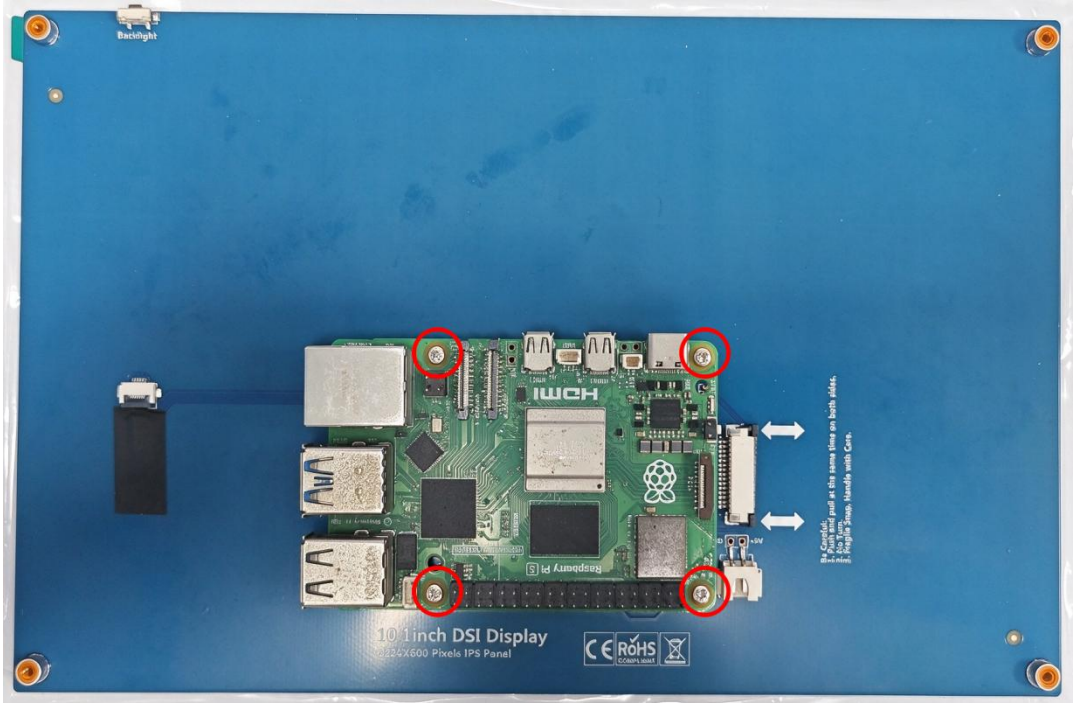
Connect 5V Power Cable



Connect Raspberry Pi Power Cord

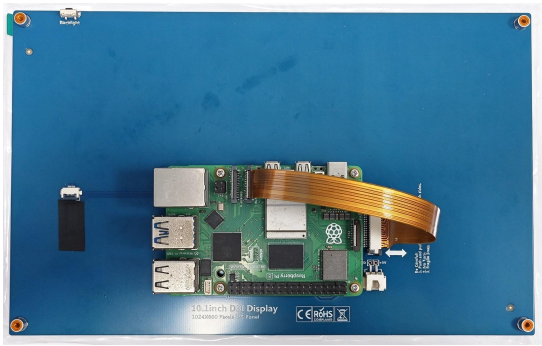
Raspberry Pi 5:

As shown in the figure, first place the Raspberry Pi, then tighten the screws, connect the adapter, the MIPI flex cable, and the power cable, and finally plug in the power cord to supply power to the Raspberry Pi.

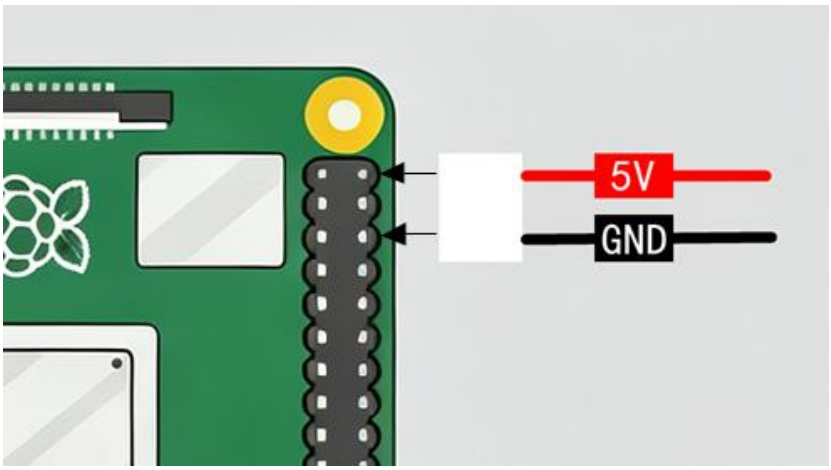


Secure with Screws





Connect MIPI Flex Cable





Connect 5V Power Cable



Connect Raspberry Pi Power Cord

5.2. Usage on Raspberry Pi

Step 1: Download and install Raspberry Pi Imager

Open your browser and visit the official website.https://www.raspberrypi.com/software

Download the corresponding version according to your computer operating system

After the download is complete, install and launch Raspberry Pi Imager normally.

Step 2: Select Device

Click Choose Raspberry Pi Device on the software homepage

In the pop-up device list, scroll to the bottom and select No filtering (no filter, show all available images)

Note: After selecting No filtering, the software will not filter system images by Raspberry Pi model. You can see all operating system options, compatible with Raspberry Pi 4B/5 and other models.

Click Next.

Step 3: Select Operating System

Click Choose OS

Directly select the first option: Raspberry Pi OS (64-bit, with desktop) (officially recommended default 64-bit system)

Step 4: Select Storage (SD Card)

Insert the SD card into your computer card reader, click Choose Storage

Select your SD card from the list (⚠ Be sure to confirm the drive letter, do not select the wrong computer hard drive, as data will be erased)

Step 5: Customize System Settings (Optional, can be skipped directly)

After clicking Next, a custom settings window will pop up, where you can preset hostname, account password, WiFi, time zone, etc.

For beginners: You can directly click Next to use the default configuration.

Step 6: Start Flashing the Image

Confirm the pop-up prompt: All data on the SD card will be completely erased. Confirm that there is no important data on the SD card, then click Yes.

The software will automatically download the image, write it to the SD card and complete verification. Do not unplug the card reader, disconnect the network or power off during the whole process.

Flashing + verification takes a few minutes, depending on the SD card read/write speed and network.

Step 7: Flashing Completed

The prompt Write Successful indicates that the image flashing and verification are completed.

Click Continue, safely eject the SD card, then you can insert the SD card into the

Raspberry Pi and power it on.

Step 8: Install LCD Driver

Log in to the Raspberry Pi system and enter the user command line (default username: pi, password: raspberry)

Download the latest driver from GitHub (the Raspberry Pi must be connected to the internet

Enter the following commands to install the driver

```
sudo rm -rf DSI-1024x600
git clone https://github.com/goodtft/DSI-1024x600.git
chmod -R 755 DSI-1024x600
cd DSI-1024x600/
sudo ./DSI-1024x600-show
```

This driver only supports dual-channel DSI.

1、Run any of the following commands to view help information.

```
sudo ./DSI- 1024x600- show -h
sudo ./DSI- 1024x600- show --help
```

2、An I2C bus can be specified, using the DSI1 interface.

A. Dual-channel DSI interface, I2C0 bus:

```
sudo ./DSI-1024x600-show i2c0
```

B. Uses a dual-channel DSI interface and the I2C1 bus

```
sudo ./DSI-1024x600-show i2c1
```

3、The DSI0 interface may be used (this method supports only Raspberry Pi hardware equipped with dual DSI interfaces).

A. Uses a dual-channel DSI interface, I2C1 bus, and DSI0 interface

```
sudo ./DSI-1024x600-show i2c1 dsi0
```

B. Uses a dual-channel DSI interface, I2C0 bus, and DSI0 interface

```
sudo ./DSI-1024x600-show i2c0 dsi0
```